

## REMARKS

### *Status of the Application:*

Claims 16–19 are the claims of record of the application. Claims 16–19 have been rejected.

### *Claim Rejections -35 USC § 101*

Claims 16–19 have been rejected under 35 U.S.C. 101 because the examiner has asserted that the claimed invention is directed to non-statutory subject matter, in particular, the examiner has asserted that the claim as a whole is directed to nothing more than performing a purely mathematical algorithm without any practical limitations.

Applicants respectfully disagree. The claims are read in reference to the specification and are directed to a practical application in the technological arts, specifically in the art of wireless communication. Furthermore, the method, as claimed, produces a concrete, tangible, and useful result, i.e., the method recites a step or act of producing something that is concrete, tangible, and useful.

With respect to independent claims 19, the specification clearly states that this claim is for a method for obtaining “soft decision value” in a communication system in which one or more signals are received in a wireless receiver as a result of a transmission of a signal in which the multibit phase shift key symbol is encoded. The received estimate is formed from the received one or more signals. The method is for operating a wireless receiver.

While applicants disagree with the rejection, purely in order to bring the application to allowance, the applicants have amended the independent claims to more clearly state that the method is for operating a wireless receiver to obtain a soft decision value for a particular bit of a multibit phase shift key symbol. The method includes receiving one or more signals in a wireless receiver as a result of a transmission of a signal

in which the multibit phase shift key symbol is encoded. Furthermore, a received estimate is formed from the received one or more signals.

Reconsideration is respectfully requested.

All of the examiner's rejections have been addressed. This application is now considered to be in condition for allowance and such action is respectfully requested.

If the Examiner has any questions or comments that would advance the prosecution and allowance of this application, an email message to the undersigned at dov@inventek.com, or a telephone call to the undersigned at +1-510-547-3378 is requested.

Respectfully Submitted,

June 6, 2007

Date

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